Ph.D Project and Summer Job Opportunity

The genesis of the Zn-Pb-Ag mineralization at Silver Ranges, Yukon, Canada

The Silver Range project, in the Selwyn Basin, encompasses a series of claims with over 25 showings or drill target zones owned by Silver Range Resources (http://www.silverrangeresources.com/s/Home). The largest of these showings, currently, is the Keg Zn-Pb-Ag deposit. However, epithermal bonanza silver mineralization has also been found at the Hammer Zone, and there are Au-Cu-Mo rich soil anomalies, which may be related to a porphyry system. Thus, the mineralization in the Silver Ranges, may represent different mineralizing events superimposed on each other. The proposed Ph.D. has the following aims:

- To identify the general geological framework of the mineralization e.g. stratigraphic context, age of intrusions and volcanic units on the property
- To constrain the mineralogy of the ore minerals of economic interest e.g. of the Ag bearing phases
- To describe the different mineralization styles and their lithogeochemical signatures
- To the constrain the fluid compositions in the hydrothermal system (s)

The project will be carried out in collaboration with geologists from Silver Range Resources. Candidates will be expected to carry out field work and will need to be physically fit and willing to undergo relevant safety training (e.g. first aid, firearms, helicopter training). The student will be trained in field techniques and core logging on site. Further training in petrographic techniques, lithogeochemistry, stable and radiogenic isotopes and fluid inclusion analyses will be carried out at the University of Alberta’s excellent geochemical and isotopic facilities (see http://easweb.eas.ualberta.ca/)

It is hoped that the student will be available to begin working for the company in June 2013. Applicants should have a Master’s degree and must fulfill the entrance requirements for the graduate program at the University of Alberta. Further information on the application process and the Ph.D. program can be found at http://easweb.eas.ualberta.ca/page/graduate_information

If you are interested please contact:
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